

ABSTRACT OF THE DISCLOSURE

5 An information recording medium for recording a
real-time file containing real-time data in such a manner
that the real-time data is continuously reproducible by a
10 playback reference model, the real-time data including at
least one of video data and audio data. The playback
reference model includes: a pickup for reading the real-time
data from the information recording medium; a buffer memory
15 for temporarily storing the real-time data read by the
pickup; and a decoder module for reading the real-time data
from the buffer memory for processing. The information
recording medium includes a volume space for at least
recording in sectors a file containing data and file
20 management information for managing the file. The real-
time data is recorded in at least two real-time extents each
of which is allocated in logically contiguous sectors within
the volume space. An $(i+1)^{\text{th}}$ real-time extent among the at
least two real-time extents is positioned at a position
satisfying a real-time reproduction condition.